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3. (Amended) A method as claimed in ~~any one of the previous claims~~ claim 1, wherein the efficiency of an anti-hydrate additive is tested by adding it to said fluid sample in determined proportions.
4. (Amended) A method as claimed in ~~any one of the previous claims~~ claim 1, wherein T1 and T2 are 20°C and 35°C respectively.
5. (Amended) A method as claimed in ~~any one of the previous claims~~ claim 1, wherein the thermograms are obtained with a temperature gradient ranging between 0.5 and 5°C/minute, preferably at 2°C/minute.
6. (Amended) A method as claimed in ~~any one of the previous claims~~ claim 1, wherein CH4 is used for said gas.
7. (Amended) A system for implementing the method as claimed in ~~any one of the previous claims~~ claim 1, characterized in that it comprises in combination : a calorimetric measuring device, means for placing the measuring cell of said device under pressure by means of a hydrocarbon gas, thermogram recording means.

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